

## U.S. DEPARTMENT OF LABOR

**WORKPLACE STANDARDS ADMINISTRATION BUREAU OF LABOR STANDARDS** 

MATERIAL SAFETY DATA SHEET

FORM NO OSHA +20 (MODIFIED) MAY 1971

MDC CONTROL NO. 519

DPM 519

SE	CTION I: MATE	RIAL AND MA	ANUFACT	IRER IDENTIFICATION			
MANUFACTURER'S NAME EMERGENCY T					Y TELEPHONE NO.		
Columbia Ribbon & Carbon Mfg Co Inc. (714) 985-					5-2719_	~	
ADDRESS (NUMBER, STREET, CITY, STATE AND			0-1:5-				
8855 Baker Av CHEMICAL NAME AND SYNONYMS	enue, Cu	camonga,	Cariro	TRADE NAME AND SYNON	IVMS		
Spirit Duplic	ating Flu	id		Columbia Dupli	4.55 L	ıi d	
CHEMICAL FAMILY	acting (1 to	<u></u>	FORMUL		- Cacing III	114	н
Solvent				••			
	SECTI	ON II: HAZAF	DOUS ING	REDIENTS*			
PAINTS, PRESERVATIVES/SOLVENTS	%	TLV (UNITS)	A	LLOYS AND METALLIC	COATINGS	%	TLV (UNITS)
PIGMENTS			BASE N	ETAL	-		
CATALYST			ALLOY	S			
VEHICLE			METAL	LIC COATINGS			
SOLVENTS Methyl Alcoho	92-			METAL PLUS			
ADDITIVES RECEIVE ALCOHO	1 98%		OTHER	IG OR CORE FLUX S	·		
OTHERS	2-8	a.		- *			
Н <sub>2</sub> 0	%					TIV	
HAZARDO	US MIXTURES	S OF OTHER	LIQUIDS, S	OLIDS, OR GASES*		%	TLV (UNITS)
					• .		
	-			· &x			
	Ş	ECTION III: F	PHYSICAL	DATA			
BOILING POINT (°F)			SPECIF	TIC GRAVITY (H <sub>2</sub> 0 = 1)			
BOILING FORT (1)		148 <sup>o</sup> F			(@ 68 <sup>0</sup> F)		0.798
VAPOR PRESSURE (mm Hg.)		77	PERCENT VOLATILE BY VOLUME (%)				
VAPOR DENSITY (AIR = 1)		1.11	EVAPORATION RATE (= 1)				
SOLUBILITY IN WATER				e de la companya del companya de la companya del companya de la co			
APPEARANCE AND ODOR Colorles	s, alcoho	lic odor	2				
			XPLOSIO	HAZARD DATA			
FLASH POINT (METHOD USED)		077.0		FLAMMABLE LIMITS		Lel	Uel
54°F Closed EXTINGUISHING MEDIA	<i>**</i>	61 <sup>O</sup> F Open			6.0	<u> </u>	36.5
Water, Carb SPECIAL FIRE FIGHTING PROCEDURES	on Dioxid	e, or dry	y chemi	cal			
SPECIAL FIRE FIGHTING PROCEDURES							
SUAL FIRE AND EXPLOSION HAZARDS							

\*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES. USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

•		ECTION V: HEALTH HAZARD DATA					
THRESHOLD LIMIT VAL	JE Acceptable maximum	a allowable concentration of vapor is 200 parts per million for an 8 hour working exposure.					
EFFECTS OF OVEREXP	OSURE						
•	Prolonged or repea	ated contact without proper precautions may cause headache,					
	dizziness, vomitin	ng, skin irritation, eye irritation					
EMERGENCY AND FIRST		The state of the s					
Skin	Wash with soap and w	vater, apply ointment, petrolatum or lanolin					
Eye:	Wash with gentle flo	ow of water for 15 minutes. Consult physician					
Swall	owing: Induce vomitin	ig. Consult physician					
		SECTION VI: REACTIVITY DATA					
	UNSTABLE COND	DITIONS TO AVOID					
STABILITY							
	STABLE X						
INCOMPATIBILITY (MAT	•						
HAZARDOUS DECOMPOS	None None						
TIAZATOOUS DECOMIFUS	None						
	MAY OCCUR	CONDITIONS TO AVOID					
HAZARDOUS	WAT OCCON						
POLYMERIZATION	WILL NOT OCCUR	x					
STEPS TO BE TAKEN IN	SECTION CASE MATERIAL IS RELEASED OR	ION VII: SPILL OR LEAK PROCEDURES					
		wed to a safe place and spills promptly flushed away					
with	water.						
WASTE DISPOSAL METHO	DD						
RESPIRATORY PROTECT		VIII: SPECIAL PROTECTION INFORMATION					
NEST INATONI I NOTEO		use solvents with adequate ventilation.					
	LOCAL EXHAUST	SPECIAL					
VENTILATION	MEQUANICAL (OFNERAL)	OTUED.					
IMEC	MECHANICAL (GENERAL)	OTHER					
PROTECTIVE GLOVES		EYE PROTECTION					
	under normal use.	None under normal use.					
OTHER PROTECTIVE EQ	UIPMENT						
	SE	CTION IX: SPECIAL PRECAUTIONS					
PRECAUTIONS TO BE TA	KEN IN HANDLING AND STORING						
		RED LABEL - CAUTION: DO NOT DROP.					
	Keep away from	fire, heat and open flame lights.					
OTHER PRECAUTIONS	• •						
L. E. Thom	as, Plant Manager	11/3/72					

DATE

PREPARED BY